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(54) Title: **COMPOSITIONS AND METHODS FOR THE PREVENTION OR TREATMENT OF CANCER AND BONE LOSS ASSOCIATED WITH CANCER**

(57) Abstract: The present invention relates to compositions and methods for the prevention and/or treatment of bone loss associated with cancer. More particularly, the invention relates to OPG compositions and methods for the prevention and/or treatment of bone loss comprising said compositions. The invention also relates to the use of OPG compositions for the treatment of multiple myeloma.

INTERNATIONAL SEARCH REPORT

International Application No

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A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K38/17 A61K39/395 A61P19/00 A61P35/02 A61P35/04
//(A61K38/17, 38:09), (A61K39/395, 38:17)

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, WPI Data, MEDLINE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 784 093 A (AMGEN INC) 16 July 1997 (1997-07-16) abstract page 2, line 20 -page 3, line 6 page 7, line 24 - line 29 page 8, line 41 -page 9, line 10 page 12, line 17 - line 47 page 41, line 5 -page 42, line 5 page 45, line 30 -page 48, line 7 page 60, line 30 - line 41 ----	1-15, 21, 22 16-20
Y	-/-	

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>SIMONET W ET AL: "Osteoprotegerin: a novel secreted protein involved in the regulation of bone density" CELL, US, CELL PRESS, CAMBRIDGE, MA, no. 89, 18 April 1997 (1997-04-18), pages 309-319, XP002077048 ISSN: 0092-8674 abstract figure 5C page 314 -page 315, column 1, paragraph 1 page 315, column 2, last paragraph -page 316, column 1, paragraph 1 page 317, column 1, paragraph 2 ---</p>	1-3, 5-10, 13, 21
P, X	<p>MORONY S ET AL: "A CHIMERIC FORM OF OSTEOPROTEGERIN INHIBITS HYPERCALCEMIA AND BONE RESORPTION INDUCED BY IL-1BETA, TNF-ALPHA, PTH, PTHRP, AND 1,25(OH)2D3" JOURNAL OF BONE AND MINERAL RESEARCH, NEW YORK, NY, US, vol. 14, no. 9, September 1999 (1999-09), pages 1478-1485, XP000971493 ISSN: 0884-0431 abstract page 1478, column 2, paragraph 1 page 1479, column 1, paragraph 1 page 1483, column 2, last paragraph ---</p>	1-3, 5-10, 13, 14, 21
Y	<p>US 5 843 901 A (ROESKE ROGER W) 1 December 1998 (1998-12-01) cited in the application column 1, line 64 -column 2, line 3 column 2, line 36 - line 40 column 10, line 56 -column 11, line 20 column 13, line 55 - line 60 column 17, line 15 - line 18 column 17, line 38 - line 42 ---</p>	18-20
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	X YANG ET AL: "Eradication of established tumors by a fully human monoclonal antibody to the epidermal growth factor receptor without concomitant chemotherapy" CANCER RESEARCH, AMERICAN ASSOCIATION FOR CANCER RESEARCH, BALTIMORE, MD, US, vol. 59, no. 5, 15 March 1999 (1999-03-15), pages 1236-1243, XP002156618 ISSN: 0008-5472 the whole document -----	17

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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